ISSN 0954-6820
Volume 256 2004

Journal of INTERNAL MEDICINE

VOLUME CONTENTS

Editor-in-Chief: G. Holm

Editors:
J. Anderson
B. Angelin
U. de Faire
B. Fagrell
S. Ljunghall

Blackwell
Publishing

Published by Blackwell Publishing

Blackwell Publishing Ltd
9600 Garsington Road, Oxford OX4 2DQ, UK

Blackwell Publishing Inc.
Commerce Place, 350 Main Street, Malden, MA 02148, USA

Blackwell Publishing Asia Ltd
550 Swanston Street, Carlton South, VIC 3053, Australia

Blackwell Verlag
Kurfürstendamm 58, D-10707 Berlin, Germany

Blackwell Munksgaard
1, Rosenørns Allè, P.O. Box 227, DK-1502
Copenhagen V, Denmark

Japan/Blackwell Publishing Asia, Tokyo Office,
5F, GS Chiyoda Building, 3–11–14 Iidabashi,
Chiyoda-ku, Tokyo 102–0072, Japan

Blackwell Publishing Professional
2121 State Avenue, Ames, IA S0014–8300, USA

© 2004 Blackwell Publishing Ltd. Authorization to photocopy for internal or personal use or the internal or personal use of specific clients is granted by Blackwell Publishing Ltd for libraries and other users register with the Copyright Clearance Center (CCC) Transactional Reporting Service provided that the base fee of $15.00 per copy is paid directly to the CCC, 222 Rosewood Drive, Suite 910, Danvers, MA 01923, USA. This consent does not extend to other kinds of copying, such as copying for general distribution for advertising or promotional purposes, for creating new collective works or for resale. Special requests should be addressed to the Editor.
0954-6820/04: $15.00.

NO. 1, July 2004

REVIEW ARTICLE

The effect of metformin on blood pressure, plasma cholesterol and triglycerides in type 2 diabetes mellitus: a systematic review 1
M. G. Wulffelé, A. Kooy, D. de Zeeuw, C. D. A. Stehouwer & R. T. Gansevoort

ORIGINAL ARTICLES

Low and high circulating cortisol levels predict mortality and cognitive dysfunction early after stroke 15
N. Marklund, M. Peltonen, T. K. Nilsson & T. Olsson

Relationship between albumin excretion rate and aortic stiffness in untreated essential hypertensive patients 22
G. Mulè, S. Cottone, A. Vadalà, V. Volpe, G. Mezzatesta, R. Mongiovì, G. Piazza, E. Nardi, G. Andronico & G. Cerasola

Lipoprotein lipase gene variants and progression of nephropathy in hypercholesterolaemic patients with type 2 diabetes 30
A. Solini, A. Passaro, P. Fioretto, M. Nannipieri & E. Ferrannini

High incidence of type 2 diabetes and increasing conversion rates from impaired fasting glucose and impaired glucose tolerance to diabetes in Mauritius 37
S. Söderberg, P. Zimmet, J. Tuomilehto, M. de Courten, G. K. Dowse, P. Chitson, H. Stenlund, H. Gareeboo, K. G. M. M. Alberti & J. Shaw

Tyrosine phosphatase 1B and leptin receptor genes and their interaction in type 2 diabetes 48
M. Santaniemi, O. Ukkola & Y. A. Kesäniemi

Vitamin D deficiency, bone mineral density and weight in patients with advanced pulmonary disease 56
L. Førli, J. Halse, E. Haug, Ø. Bjørtuft, M. Vatn, J. Kofstad & J. Boe

An open, randomized, controlled study of transdermal hormone replacement therapy on the rate of bone loss in primary biliary cirrhosis 63
S. Ormarsdóttir, H. Mallmin, T. Naessén, M. Petrén-Mallmin, U. Broomé, R. Hultcrantz & L. Lööf

Estimation of glomerular filtration rate in the elderly: a comparison of creatinine-based formulae with serum cystatin C 70
E. Wasén, R. Isoaho, K. Mattila, T. Vahlberg, S.-L. Kivelä & K. Irjala

The incidence and survival of acute de novo leukaemias in Estonia and in a well-defined region of western Sweden during 1982–1996: a survey of patients aged > 65years 79
E. Luik, K. Palk, H. Everaus, M. Varik, T. Aareleid, L. Wennström, E.-L. Juntikka, S. Safai-Kutti, D. Stockelberg, E. Holmberg & J. Kutti

LETTER TO THE EDITOR

Comment on the article 'Genotype, obesity and cardiovascular disease – has technical and social advancement outstripped evolution?' 86
A. Ströhle & M. Wolters

MISCELLANEOUS

Instructions to authors 89

NO. 2, August 2004

REVIEW ARTICLE

Is the placebo powerless? Update of a systematic review with 52 new randomized trials comparing placebo with no treatment 91
A. Hróbjartsson & P. C. Gøtzsche

ORIGINAL ARTICLES

Influence of smoking and snus on the prevalence and incidence of type 2 diabetes amongst men: the northern Sweden MONICA study 101
M. Eliasson, K. Asplund, S. Nasic & B. Rodu

Tobacco and myocardial infarction in middle-aged women: a study of factors modifying the risk 111
E. Janzon, B. Hedblad, G. Berglund & G. Engström

Low-grade inflammation, endothelial activation and carotid intima-media thickness in type 2 diabetes 119
E. S. Leinonen, A. Hiukka, E. Hurt-Camejo, O. Wiklund, S. S. Sarna, L. Mattson Hultén, J. Westerbacka, R. M. Salonen, J. T. Salonen & M.-R. Taskinen

Leptin, but not adiponectin, predicts stroke in males 128
S. Söderberg, B. Stegmayr, H. Stenlund, L.-G. Sjöström, Å. Ågren, L. Johansson, L. Weinehall & T. Olsson

Improving the outcomes of anticoagulation: an evaluation of home follow-up of warfarin initiation 137
S. L. Jackson, G. M. Peterson, J. H. Vial & D. M. L. Jupe

Anaemia of chronic disease in AA amyloidosis is associated with allele 2 of the interleukin-1β-511 promoter gene and raised levels of interleukin-1β and interleukin-18 145
C. P. J. Maury, M. Liljeström, K. Laiho, S. Tiitinen, K. Kaarela & M. Hurme

Suspicion of pulmonary embolism in outpatients: nonspecific chest pain is the most frequent alternative diagnosis 153
S. Bernard Bagattini, H. Bounameaux, T. Perneger & A. Perrier

Trends in the incidence of chronic Philadelphia chromosome negative (Ph-) myeloproliferative disorders in the city of Göteborg, Sweden, during 1983–99 161
P. Johansson, J. Kutti, B. Andréasson, S. Safai-Kutti, L. Vilén, H. Wedel & B. Ridell

CASE REPORTS

A patient with *TSC1* germline mutation whose clinical phenotype was limited to lymphangioleiomyomatosis 166
T. Sato, K. Seyama, T. Kumasaka, H. Fujii, Y. Setoguchi, T. Shirai, Y. Tomino, O. Hino & Y. Fukuchi

Neurological symptoms in a traveller returning from Central America 174
Y. Keynan & I. Pottesman

LETTER TO THE EDITOR

Only one of four patients with familial hypercholesterolaemia reach cholesterol treatment goals in primary prevention 176
G. Hollman, A.-C. Ek & A. G. Olsson

NO. 3, September 2004

EDITORIAL

Promotion of clinical science Key Symposium series in the honour of Axel Key, a pioneer in medicine 179
G. Holm & B. Fagrell

KEY SYMPOSIUM: MILD COGNITIVE IMPAIRMENT

Contents 180

Introduction: Mild cognitive impairment: beyond controversies, towards a consensus 181
B. Winblad, K. Palmer, M. Kivipelto, V. Jelic & L. Fratiglioni

Mild cognitive impairment as a diagnostic entity 183
R. C. Petersen

Multiple cognitive deficits during the transition to Alzheimer's disease 195
L. Bäckman, S. Jones, A.-K. Berger, E. J. Laukka & B. J. Small

MRI and CSF studies in the early diagnosis of Alzheimer's disease 205
M. J. de Leon, S. DeSanti, R. Zinkowski, P. D. Mehta, D. Pratico, S. Segal, C. Clark, D. Kerkman, J. DeBernardis, J. Li, L. Lair, B. Reisberg, W. Tsui & H. Rusinek

CSF biomarkers for mild cognitive impairment 224
K. Blennow

Prospects of genetic research of mild cognitive impairment 235
C. M. van Duijn

Mild cognitive impairment - beyond controversies, towards a consensus: report of the International Working Group on Mild Cognitive Impairment 240
B. Winblad, K. Palmer, M. Kivipelto, V. Jelic, L. Fratiglioni, L.-O. Wahlund, A. Nordberg, L. Bäckman, M. Albert, O. Almkvist, H. Arai, H. Basun, K. Blennow, M. De Leon, C. DeCarli, T. Erkinjuntti, E. Giacobini, C. Graff, J. Hardy, C. Jack, A. Jorm, K. Ritchie, C. van Duijn, P. Visser & R. C. Petersen

ORIGINAL ARTICLES

Effect of inflammatory attacks in the classical type hyper-IgD syndrome on immunoglobin D, cholesterol and parameters of the acute phase response 247
A. Simon, J. Bijzet, H. A. M. Voorbij, A. Mantovani, J. W. M. van der Meer & J. P. H. Drenth

Low birth weight in combination with catch-up growth predicts the occurrence of the metabolic syndrome in men at late middle age: the Atherosclerosis and Insulin Resistance study 254
B. Fagerberg, L. Bondjers & P. Nilsson

LETTERS TO THE EDITOR

Differential transmission of coronary disease risk to offspring is not supported by evidence 260
S. Kinra & G. Davey Smith

Reply to: Family history of CVD: the mother–son link revisited 261
P. M. Nilsson, J.-åA. Nilsson & G. Berglund

What is the mechanism behind the association between autoantibodies against GAD65 and high body mass index? 262
O. Rolandsson

Reply to: what is the mechanism behind the association between autoantibodies against GAD6S and high body mass index? 264
A. Schölin & G. Sundkvist

Chronic fatigue syndrome: a clinical and laboratory study with a well-matched control group 265
B. Stouten

Reply to: Chronic fatigue syndrome: a clinical and laboratory study with a well-matched control group 268
G. Bleijenberg, J. H. H. M. Vercoulen & J. W. M. van der Meer

ERRATUM

Erratum to *J Intern Med* 2004;255: 690-1 270

NO. 4, October 2004

CLINICAL TRIALS

Publication of clinical trials: accountability and accessibility 271
M. B. Tumber & K. Dickersin

Clinical trials: a summary 284
L. Wilhelmsen, P. Held & H. Wedel

ORIGINAL ARTICLES

Abnormal glucose tolerance – a common risk factor in patients with acute myocardial infarction in comparison with population-based controls 288
M. Bartnik, K. Malmberg, A. Hamsten, S. Efendic, A. Norhammar, A. Silveira, A. Tenerz, J. Öhrvik & L. Rydén

Risk of coronary events by baseline factors during 28 years follow-up and three periods in a random population sample of men 298
L. Wilhelmsen, G. Lappas & A. Rosengren

Oxidative stress and its association with coronary artery disease and different atherogenic risk factors 308
C. Vassalle, L. Petrozzi, N. Botto, M. G. Andreassi & G. C. Zucchelli

Improved adherence to practice guidelines yields better outcome in high-risk patients with acute coronary syndrome without ST elevation: findings from nationwide FINACS studies 316
S. Vikman, K. E. J. Airaksinen, I. Tierala, K. Peuhkurinen, K. Majamaa-Voltti, M. Niemelä, H. Tuunanen, M. S. Nieminen & K. Niemelä

Sodium intake affects urinary albumin excretion especially in overweight subjects 324
J. C. Verhave, H. L. Hillege, J. G. M. Burgerhof, W. M. T. Janssen, R. T. Gansevoort, G. J. Navis, D. de Zeeuw & P. E. de Jong for the PREVEND study group

Plasma and platelet-derived vascular endothelial growth factor and angiopoietin-1 in hypertension: effects of antihypertensive therapy 331
S. K. Nadar, A. D. Blann & G. Y. H. Lip

Validation of a clinical guideline on prevention of venous thromboembolism in medical inpatients: a before-and-after study with systematic ultrasound examination 338
J. Labarere, J.-L. Bosson, J.-P. Brion, M. Fabre, B. Imbert, P. Carpentier & G. Pernod

Oral quinolones in hospitalized patients: an evaluation of a computerized decision support intervention 349
T. Hulgan, S. T. Rosenbloom, F. Hargrove, D. A. Talbert, P. G. Arbogast, P. Bansal, R. A. Miller & D. S. Kernodle

LETTERS TO THE EDITOR

Metformin – current restrictions should be alleviated 358
A. M. E. Stades, J. T. Heikens, F. Holleman & J. B. L. Hoekstra

Reply to: Metformin – current restrictions should be alleviated 359
M. Ritt

ERRATUM

Erratum to *J Intern Med 2004*; **255**: 692–730 360

NO. 5, November 2004

REVIEW ARTICLES

Hormone replacement therapy and cardiovascular disease: increased risks of venous thromboembolism and stroke, and no protection from coronary heart disease 361
G. D. O. Lowe

Beyond bone mineral density: can existing clinical risk assessment instruments identify women at increased risk of osteoporosis? 375
L. E. Wehren & E. S. Siris

ORIGINAL ARTICLES

Diagnosing heart failure in aortic valve stenosis 381
M. Kupari, H. Turto & J. Lommi

A randomized trial comparing phosphorylcholine-coated stenting with balloon angioplasty as well as abciximab with placebo for restenosis reduction in small coronary arteries 388
J. Hausleiter, A. Kastrati, J. Mehilli, H. Schühlen, J. Pache, F. Dotzer, C. Glatthor, S. Siebert, J. Dirschinger & A. Schömig for the ISAR-SMART-2 investigators

Impairment of coronary circulation by acute hyperhomocysteinaemia and reversal by antioxidant vitamins 398
A. Coppola, C. Astarita, E. Liguori, D. Fontana, M. Oliviero, K. Esposito, L. Coppola & D. Giugliano

Autosomal recessive hypercholesterolaemia: normalization of plasma LDL cholesterol by ezetimibe in combination with statin treatment 406
S. Lind, A. G. Olsson, M. Eriksson, M. Rudling, G. Eggertsen & B. Angelin

Oxidized low-density lipoprotein in plasma is a prognostic marker of subclinical atherosclerosis development in clinically healthy men 413
K. Wallenfeldt, B. Fagerberg, J. Wikstrand & J. Hulthe

Inflammatory markers and heart rate variability in women with coronary heart disease 421
I. Janszky, M. Ericson, M. Lekander, M. Blom, K. Buhlin, A. Georgiades & S. Ahnve

Prevalence of macrovascular disease amongst type 2 diabetic patients detected by targeted screening and patients newly diagnosed in general practice: the Hoorn Screening Study 429
A. M. W. Spijkerman, R. M. A. Henry, J. M. Dekker, G. Nijpels, P. J. Kostense, J. A. Kors, D. Ruwaard, C. D. A. Stehouwer, L. M. Bouter & R. J. Heine

Hormone therapy and mortality during a 14-year follow-up of 14 324 Norwegian women 437
S. Graff-Iversen, N. Hammar, D. S. Thelle & S. Tonstad

A population-based intervention study on elevated serum levels of methylmalonic acid and total homocysteine in elderly people: results after 36 months of follow-up 446
K. Björkegren & K. Svärdsudd

Discordant penetrance of the trait for familial amyloidotic polyneuropathy in two pairs of monozygotic twins 453
G. Holmgren, L. Wikström, H.-E. Lundgren & O. B. Suhr

NO. 6, December 2004

REVIEW ARTICLE

Sindbis viruses and other alphaviruses as cause of human arthritic disease 457
M. Laine, R. Luukkainen & A. Toivanen

ORIGINAL ARTICLES

The impact of birth weight on coronary heart disease morbidity and mortality in a birth cohort followed up for 85 years: a population-based study of men born in 1913 472
M. Eriksson, M.-A. Wallander, I. Krakau, H. Wedel & K. Svärdsudd

The contribution of classical risk factors to cardiovascular disease in familial hypercholesterolaemia: data in 2400 patients 482
A. C. M. Jansen, E. S. Aalst-Cohen, M. W. Tanck, M. D. Trip, P. J. Lansberg, A. H. Liem, H. W. O. Roeters van Lennep, E. J. G. Sijbrands & J. J. P. Kastelein

Elevated plasma homocysteine: cause or consequence of myocardial infarction? 491
J. Hultdin, A. M. Thøgersen, J.-H. Jansson, T. K. Nilsson, L. Weinehall & G. Hallmans

The association between total energy intake and early mortality: data from the Malmö Diet and Cancer Study 499
M. Leosdottir, P. Nilsson, J.-Å. Nilsson, H. Månsson & G. Berglund

Serum cystatin C advantageous compared with serum creatinine in the detection of mild but not severe diabetic nephropathy 510
A. G. Christensson, A. O. Grubb, J.-Å. Nilsson, K. Norrgren, G. Sterner & G. Sundkvist

Antibody levels in adult patients with coeliac disease during gluten-free diet: a rapid initial decrease of clinical importance 519
G. Midhagen, A.-K. Åberg, P. Olcén, G. Järnerot, T. Valdimarsson, I. Dahlbom, T. Hansson & M. Ström

CASE REPORT

Fatal voluntary salt intake resulting in the highest ever documented sodium plasma level in adults (255 mmol L^{-1}): a disorder linked to female gender and psychiatric disorders 525
Y. Ofran, D. Lavi, D. Opher, T. A. Weiss & E. Elinav

LETTERS TO THE EDITOR

A reappraisal of the Barcelona Clinic Liver Cancer model: natural history of untreated 'intermediate stage' hepatocellular carcinoma 529
F. Farinati, D. Marino, M. De Giorgio & F. Trevisani

Reply to Farinati *et al.*: classification of 'intermediate stage', untreated hepatocellular carcinoma patients: the neighbour's grass is not so green 531
E. G. Giannini & R. Testa

INDEXES

Author index 532
Keyword index 537